Spatial enablement of road and place names

The Spatial Enablement of Roads and Place Names (SERPN) project will deliver a centralised register for all names including geographical names, road names and names for places of interest. It will also provide an automated online service for the proposal, approval and adoption of these names.

SERPN is one of several projects under Land and Property Information’s (LPI) Comprehensive Property Addressing System (CPAS) program. The objective of CPAS is to improve the property addressing system in NSW, to support efficient and effective delivery of:

- emergency services
- post and utility services
- a range of government activities.

The first product release of the SERPN project was the NSW Online Road Naming System, which enables online proposal and adoption of road names. Released to local government in August 2013, the system will extend progressively through 2014 and 2015 to support the new NSW Road Naming Policy.

System development

The SERPN project involves development in the following key areas:

Database

The new database will be able to identify the location of names features and therefore enhance the handling of relationships between names and named features through better recording of dual, variant and alternate names.

The database will also centralise the recording of source documentation which defines the authority and status of each named feature and will facilitate new name types and structures to be supported.

Workflows

The administrative workflows delivered by SERPN provide significant efficiencies for councils. The workflows will control and manage the proposal, consultation and notification processes for all names in accordance with the Geographical Names Board (GNB) policies, various Acts and Regulations and record all associated data and documentation in the central database.
Benefits of the system
SERPN will replace five existing naming databases including the current geographical names register, cadastral and topographic names database, road names information system, name history and the origin databases to create a centralised register encompassing all name types.

The administrative workflows delivered by SERPN will control and manage the proposal and notification processes for all names in accordance with the provisions in various Acts and record all associated data and documentation in the central database.

The SERPN system will be spatially enabled; allowing names to be spatially searched and displayed and will be integrated with LPI's spatial datasets.

More information
For more information on the CPAS program or SERPN project see the LPI website www.lpi.nsw.gov.au or contact the Program Manager T: 02 8236 7136 or E: cpas@lpi.nsw.gov.au

For further information on access to the NSW Online Road Naming System please contact E: roadnaming@lpi.nsw.gov.au or T: 02 6332 8070.

Project benefits
The online system will allow road naming authority users to conduct spatial searches when proposing road names. This will reduce the incidence of similar sounding and ambiguous road names to reduce the level of duplication that currently exists in NSW:

- 6 per cent of NSW addresses
- 91 address localities and
- 1,613 road names duplicated within the same address locality.

SERPN will enable external parties to be directly involved in the naming administration processes. When fully operational, external naming authorities will use SERPN to manage naming proposals and create a central record for all name types including roads and geographical names. The SERPN product will also be made available for the general public.